

CERTIFICATE OF MAILING  
37 C.F.R. 1.8

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450, on the date below:

4/12/04  
Date

Signature

**PATENT**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Clifton Troy Knight et al.

Serial No.: 10/684,038

Filed: 10-13-2003

For: INTRA-BODY FLOW DISTRIBUTOR FOR HEAT  
EXCHANGER

Group Art Unit: 3743

Examiner: Unknown

Atty. Dkt. No.: 13555.0002.NPUS00

Confirmation No.: 9174

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT FILED UNDER**  
**1.97(B)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record.

\* \* \*

In order for an applicant for a patent or for a reissue of a patent to have an information disclosure statement in compliance with § 1.98 considered by the Office during the pendency of

the application, the information disclosure statement must satisfy one of paragraph (b), (c), or (d) of this section. [37 CFR § 1.97(a)]

\* \* \*

As provided by 37 CFR 1.97(b), this information disclosure statement is believed to be timely filed for consideration by the Office because it has been filed by the applicant:

- ☐ (1) Within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d);
- ☐ (2) Within three months of the date of entry of the national stage as set forth in § 1.491 in an inter-national application;
- ☒ (3) Before the mailing of a first Office action on the merits; or
- ☐ (4) Before the mailing of a first Office action after the filing of a request for continued examination under § 1.114.

If for some reason a first Office Action has issued on the above application, the undersigned representative requests that this Information Disclosure Statement be accepted under 37 CFR 1.97(c)(2), and the undersigned authorizes the charging of the fee due as set forth in 37 CFR 1.17(p) to Deposit Account 01-2508/13555.0002.NPUS00. The undersigned representative requests any extension of time that may be deemed necessary to further the prosecution of this application. The undersigned representative authorizes the Commissioner to charge any additional fees under 37 C.F.R. 1.16 or 1.17 that may be required, or credit any overpayment, to Deposit Account No. 01-2508/13555.0002.NPUS00.

\* \* \*

This information disclosure statement is being filed in accordance with section 37 CFR § 1.97 and shall not be construed as a representation that a search has been made. [37 CFR § 1.97(g)]

The filing of this information disclosure statement shall not be construed to be an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 CFR § 1.56(b). [37 CFR § 1.97(h)]

\* \* \*

In accordance with 37 CFR § 1.98 (3), this information disclosure statement includes:

☒ (i) a concise explanation of the relevance, as it is presently understood by the individual designated in 37 CFR § 1.56(c) most knowledgeable about the content of the information, of each patent, publication, or other information listed that is not in the English language. The concise explanation may be either separate from the specification or incorporated therein;

☒ (ii) A copy of the translation if a written English-language translation of a non-English-language document, or portion thereof, is within the possession, custody, or control of, or is readily available to any individual designated in § 1.56(c).

a. **DE 1000194** (B1) is relevant because it discloses a heat exchanger that apparently has objects (c) positioned within the inlet (a) of the heat exchanger. A translation in English of **DE 1000194** (B1) is not available to the Applicants at this time, and only a copy of the original document is being filed. However, Applicants will gladly provide full translations of these references should the Examiner deem it to be necessary.

b. **SU 1146535** (B2) is relevant because it discloses a heat exchanger dispensing header that apparently has a spiral-shaped device (4) positioned adjacent a tube sheet (5) and tubes (6) of the heat exchanger. A translation in English of **SU 1146535** (B2) is not available to the Applicants at this time, and only a copy of the original document is being filed. However, Applicants will gladly provide full translations of these references should the Examiner deem it to be necessary.

c. **SU 1080002** (B3) is relevant because it discloses a lead heat exchanger that apparently has a cone-shaped device (10) positioned in the inlet of the heat exchanger and apparently has a portion (12) of the heat exchanger separated by a space (14) from tubes (3) of the heat exchanger. A translation in English of **SU 1080002** (B3) is not available to the Applicants at this time, and only a copy of the original document is being filed. However, Applicants will gladly provide full translations of these references should the Examiner deem it to be necessary.

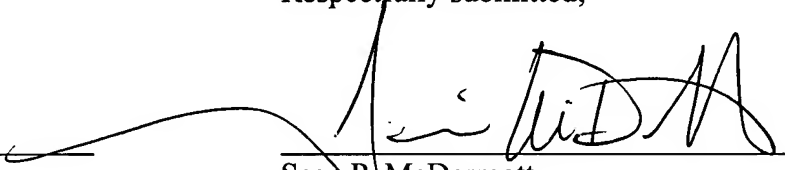
\* \* \*

The undersigned representative requests that an initialed copy of the enclosed FORM 1449 be entered into the application file wrapper and returned to the undersigned with the next communication from the Office.

To facilitate the resolution of any issues or questions presented by this paper, the Examiner should directly contact the undersigned by phone to further the discussion.

Respectfully submitted,

Date: 4/12/04

  
Sean P. McDermott  
Reg. No. 49,000

HOWREY SIMON ARNOLD & WHITE, LLP  
750 Bering Drive  
Houston, TX 77057  
Telephone: (713) 268-1357

Form PTO-1449 (modified)

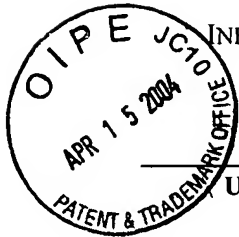
Atty. Docket No.  
13555.0002.NPUS00Serial No.  
10/684,038

List of Patents and Publications for Applicant's

Applicant  
Clifton Troy Knight et al.

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date:  
10-13-2003Group:  
3743U.S. Patent Documents  
*See Page 1*Foreign Patent Documents  
*See Page 1*Other Art  
*See Page 1*

## U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A1	3,552,487	01-1971	Tokumitsu et al.	165	174	10-1968
	A2	4,764,254	08-1988	Rosenblad	162	249	05-1987

## Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1	DE1000194	01-03-1957	Germany	F24F	13/08	No
	B2	SU1146535	03-23-1985	USSR	F28F	9/02	No
	B3	SU1080002	03-15-1984	USSR	F28F	21/02	No

## Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	Picture of "Erosion Protection Shield" by Borsig Technologies, Inc., available about 1991, 1-page.

EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)